TARGA

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April 21, 2016

Brent Rougeau, Project Manager
Water Rights Permit Team
Water Availability Division
Texas Commission on Environmental Quality
P.O. Box 13087/MC-160
Austin, TX 78711-3087

RE: Application for Permit to Appropriate State Water
Targa Terminals LLC, Targa Patriot Terminal
1050 Jefferson Rd Pasadena TX 77506
Pasadena, TX 77506
CN603856352, RN100861012

Dear Sir:

Targa Terminals LLC (Targa) has attached the Application for Permit to Appropriate State Water for its Targa Patriot Terminal location (Patriot Terminal).

The Patriot Terminal is a planned a bulk fuel storage facility with both barge and tank truck loading/unloading (crude oil, fuel oil cutter stock, asphalt, lube oil, slop oil, wastewater, and diesel) in bulk containers.
To meet water use needs, Targa has chosen to apply for a permit to appropriate public water from The Houston Ship Channel. The water will be used for bulk storage tank hydrostatic testing and as a fire fighting water supply. After water is used for hydrostatic testing it will be returned back to The Houston Ship Channel. Included in the application are maps showing the locations of the diversion points for the water, a Water Conservation Plan, and supplemental information including diversion point photos and a description of the withdrawal water body. The deed for Patriot and the Alternatives Analysis worksheet for Wetlands Impacts is also included.

If you should have any additional questions, comments or concerns, regarding this submittal, or require additional information, please do not hesitate to contact me at (713) 584-1186, or at zstornant@targaresources.com.

Sincerely,

Zachary Stornant
Sr. Environmental Specialist

Attachment 1: Application for a Permit to Appropriate Public Water
Attachment 2: Aerial/Topo Maps with Diversion Point Locations and Photos
Attachment 3: Water Conservation Plan
Attachment 4: Supplemental Environmental Information Sheet
Attachment 5: Alternatives Analysis Worksheet for Wetlands Impacts
Attachment 6: Deed

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CC: Stephen Brovarone Area Manager - Targa Terminals

Attachment 1: Application for a Permit to Appropriate Public Water

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION FOR PERMIT TO APPROPRIATE STATE WATER
(SECTION 11.121, 11.042, 11.085 **OR** 11.143, TEXAS WATER CODE)
TAC CHAPTERS 30, 50, 281, 287, 288, 295, 297 AND 299
Water Supply Division, Water Rights Permitting MC-160
P.O. Box 13087
Austin, Texas 78711-3087
Telephone (512) 239-4691, FAX (512) 239-4770
(if including a check, mail directly to P.O. Box 13088, Austin, TX 78711-3088)

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Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol.

1. Applicant Information.

A. Applicant Name(s): Targa Terminals LLC

Mailing Address: PO Box 3296 Pasadena TX, 77501

Telephone Number: 713-947-4265

Email Address: sbrovarone@targaresources.com

B. Customer Reference Number (If Issued): CN603856352

Note: If you do not have a Customer Reference Number, complete Section II of the Core Data Form (TCEQ-10400) and submit it with this application.

C. Fees and Penalties

Applicant owes fees or penalties?

☐ Yes ☑ No

If yes, provide the amount and the nature of the fee or penalty as well as any identifying number:

D. Lienholder Information

Provide this information on the holder of any liens on any land to which the water right would be appurtenant):

N/A

2. Dam (structure), Reservoir and Watercourse Data.

A. Type of Storage Reservoir (Indicate by checking (√) all applicable) **N/A**

☐ on-channel ☐ off-channel ☐ existing structure ☐ proposed structure* ☐ exempt structure**

*Applicant shall provide a copy of the notice that was mailed to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir, will be located as well as copies of the certified mailing cards.

**TWC Section 11.143 for uses of water for other than domestic, livestock, or fish and wildlife from an existing, exempt reservoir with a capacity of 200 acre-feet or less. Please complete Paragraph 6 below if proceeding under TWC 11.143.

Date of Construction: N/A

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B. Location of Structure No. N/A

1) Watercourse: N/A

2) Location from County Seat: N/A miles in a N/A direction from N/A _____ County, Texas.

Location from nearby town (if other than County Seat): N/A miles in a N/A direction from N/A, a nearby town shown on county highway map.

3) Zip Code: N/A

4) The dam will be/is located in the N/A Original Survey No. N/A, Abstract No. N/A in N/A County, Texas.

5) Station N/A on the centerline of the dam is N/A ° N/A (bearing), N/A feet

(distance) from the N/A corner of N/A Original Survey No. N/A, Abstract No. N/A, in N/A County, Texas, also being at Latitude N/A °N, Longitude N/A °W.

Provide the Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.

C. Reservoir:

1) Acre-feet of water impounded by structure at normal maximum operating level: N/A

2) Surface area in acres of reservoir at normal maximum operating level: N/A

D. Drainage Area

The drainage area above the dam is N/A acres or N/A square miles.

E. Other

1) If this is a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure, provide the Site No. N/A and watershed project name N/A.

2) Do you request authorization to close the "ports" or "windows" in the service spillway?

☐ Yes ☑ No

3. Appropriation/Diversion Request (total amount of water needed, including maximum projected uses and accounting for evaporative losses for off-channel storage, if applicable).

A. Appropriated water will be used as follows:

	Purpose*	Place of Use	Acre-feet per year
1)	Hydrostatic Test	At the Facility	118
2)	Fire Fighting Water	At the Facility	20
3)			

*If agricultural use, list crops(s) to be irrigated:

B. Lands to be irrigated (if applicable): N/A

1) Applicant proposes to irrigate a total of N/A acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of N/A acres in N/A County, Texas. A copy of the deed(s) describing the overall tract(s) with the recording information from the county records is attached.

2) Location of land to be irrigated: In the N/A Original Survey No. N/A, Abstract No. N/A.

C. Diversion Point No. 1 (Fire Water Intake).

1) Watercourse: Houston Ship Channel.

2) Location of point of diversion at Latitude 29.744494 °N, Longitude 95.186136 °W, **Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location..**

also bearing 22 °S of W, 3,107 feet (distance) from the NW corner of the J. Seymore Original Survey No. N/A, Abstract No. A-698, County, Texas.

3) Location from County Seat: 11.0 miles in an East direction from Houston, Harris County,Texas. Location from nearby town (if other than County Seat): 2.73 miles in an East direction from Galena Park, a nearby town shown on county highway map.

4) Zip Code: 77506

5) The diversion will be (check (√) all appropriate boxes and if applicable, indicate whether existing or proposed):

	Directly from stream	Existing	Proposed
	From an on-channel reservoir		
	From stream to an off-channel reservoir		
	From a stream to an on-channel reservoir		
	From an off-channel reservoir		
	Other method (explain fully, use additional sheets if necessary)		Fire water pumps will be installed and water will be directly drawn as needed.

6) Rate of Diversion (Check (√) applicable provision):

X1. Diversion Facility:

A. 3,500 Maximum gpm (gallons per minute)

B. 2 only 1 in use Number of pumps

C. 1 Electric and 1 Backup Diesel Type of pump

D. 3,500 gpm, Pump capacity of each pump

E. Portable pump _____ Yes or No X No.

2. If by gravity:

A. N/A Headgate N/A Diversion Dam N/A Maximum gpm

B. N/A Other method (explain fully - use additional sheets if necessary)

7) The drainage area above the diversion point is _____ acres or ~100 square miles.

D. Return Water or Return Flow **(location and quantity information, provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location):**

Water which is diverted but not consumed as a result of the above stated use, will be returned to N/A, tributary of N/A, tributary of N/A, N/A Basin, at a point which is at Latitude N/A °N, Longitude N/A °W, also, bearing N/A ° N N/A (direction), N/A feet (distance) from the NW corner of the N/A Original Survey No. N/A, Abstract No. N/A, in N/A County, Texas.

Zip Code: N/A

Estimated **annual** amount of return flow to said stream will be N/A acre-feet.

E. Surplus Water **(provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location):**

Location of point of diversion at Latitude N/A °N, Longitude N/A °W, also bearing N/A °N of N/A, N/A feet (distance) from the N/A corner of the N/A Original Survey No. N/A, Abstract No. N/A, County, Texas.

3) Location from County Seat: N/A miles in an N/A direction from N/A, N/A County, Texas.

Zip Code: N/A

4. Discharge Point Information **(if applicable, provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location). N/A**

Discharge Point No. or Name: N/A

A. Select the appropriate box for the source of water being discharged:

☐ Treated effluent

☐ Groundwater

☐ Other N/A

B. Location of discharge point will be/is at Latitude N/A ° N, Longitude N/A °W, also bearing N/A ° _____, _____ feet from the N/A corner of the N/A Original Survey No. N/A, Abstract No. N/A, in N/A

_____County, Texas.

What method was used to determine the Latitude and Longitude for the discharge point? (i.e., GPS Unit, USGS 7.5 Topographic Map, etc.)

N/A

C. Location from County Seat: N/A miles in a N/A direction from N/A,
N/A County, Texas.
Location from nearby town (if other than County Seat): N/A miles in a N/A
direction from N/A, a nearby town shown on county highway map.

D. Zip Code: N/A

E. Water will be discharged into N/A stream/reservoir,
(tributaries),
Basin.

F. Water will be discharged at a maximum rate of N/A cfs (N/A gpm).

G. The amount of water that will be discharged is N/A acre-feet per year.

H. The purpose of use for the water being discharged will be N/A.

I. Additional information required:

For groundwater

1) Provide water quality analysis and 24 hour pump test for the well if one has been conducted.
2) Locate and label the groundwater well(s) on a USGS 7.5 Minute Topographic Map
3) Provide a copy of the groundwater well permit if it is located in a Groundwater Conservation District.
4) What aquifer the water is being pumped from?

For treated effluent

1) What is the TPDES Permit Number? Provide a copy of the permit.
2) Provide the monthly discharge data for the past 5 years.
3) What % of treated water was groundwater, surface water?
4) If any original water is surface water, provide the base water right number.

5. General Information.

A. The proposed X or existing _____ works will be (are) located on the land of Targa Terminals LLC, whose mailing address is PO Box 3296 Pasadena TX, 77501

B. If an application for the appropriation is granted, either in whole or in part, construction works will begin within immediately after such permit is issued. The proposed work will be completed within 3 years from the date the permit is issued.

C. A Water Conservation Plan is attached? X Yes _____ No.

D. X Interbasin transfer is not requested.
N/A Applicant requests authorization to transfer N/A acre-feet of water per year from the N/A Basin to the N/A Basin of which

N/A acre-feet of water will be used for N/A purposes and

N/A acre-feet of water will be used for N/A purposes.

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E. N/A Bed and Banks request to transfer N/A acre-feet of water per year within the bed and banks of N/A, tributary of N/A,

N/A Basin.

F. Is this project located within 200 river miles of the coast? X Yes ____ No ____ Unknown

5. **Maps, plats, plans, and drawings accompany this application as required by applicable TAC Sections.**

X Yes ____ No. Attach additional sheets.

6. N/A The dam(s) and reservoir(s) shown on the attached application was (were) constructed for domestic and livestock purposes and I/we elect to seek a permit under Section 11.143 of the Texas Water Code.

7. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement.

Water is being diverted for vessel hydrostatic testing and will be discharge back into The Houston Ship Channel.

25

Applicant Name (Sign)

Applicant Name (Sign)

Vincent J. DiCosimo

Applicant Name (Printed)

Applicant Name (Printed)

SWORN TO AND SUBSCRIBED before me this 22 day of April, 2016.

DEBORAH C. SADDLER
My Notary ID # 129935949
Expires July 26, 2017

Deborah C. Saddler

Notary Public for the State of Texas

Supplemental Diversion Point Information Sheet

Diversion Point No. 2 (Hydrotesting intake). (Provide a completed *Supplemental Diversion Point Information Sheet* for additional diversions)

1) Watercourse: Houston Ship Channel

2) Location of point of diversion at Latitude 29.744564 °N, Longitude 95.184475 °W, also, bearing 18 ° S of W, 3,809 feet (distance) from the NW corner of the J. Seymore Original Survey No. N/A, Abstract No. A-698, in Harris County County, Texas. **Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.**

3) Location from County Seat: 11.19 miles in an East direction from Houston, Harris County, Texas.

Location from nearby town (if other than County Seat): 2.85 miles in an East direction from Galena Park, a nearby town shown on county highway map.

4) Zip Code: 77506

5) The diversion will be (check (√) all appropriate boxes and if applicable, indicate whether existing or proposed):

	Directly from stream	Existing	Proposed
	From an on-channel reservoir		
	From stream to an off-channel reservoir		
	From a stream to an on-channel reservoir		
	From an off-channel reservoir		
	Other method (explain fully, use additional sheets if necessary)		Hydrostatic Test water pumps will be mounted on trucks and water directly withdrawn and put in to the vessels to be tested.

6) Rate of Diversion (Check (√) applicable provision):

X 1. Diversion Facility:

A. 900 Maximum gpm (gallons per minute)
1) 1 Number of pumps
2) Diesel Centrifugal Pump Type of pump
3) 900 gpm, Pump capacity of each pump
4) Portable pump X Yes or ____ No

N/A 2. If by gravity:

A.____ Headgate ____ Diversion Dam ____ Maximum gpm
B.____ Other method (explain fully - use additional sheets if necessary)

7) The drainage area above the diversion point is ____ acres or 25 square miles.